

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A manufacturing method of a display device in a plasma treatment chamber comprising the step of:

partially forming a conductor film over a substrate;

forming a resist mask by use of liquid droplet jetting means, over the conductor film;

forming a wiring by partially etching the conductor film over the substrate by discharging a plasma to the plasma treatment chamber from a plasma treatment means having a plurality of reactive gas discharge ports and one set of electrodes contained therein for generating the plasma at a pressure of 5 to 800 Torr from a first reactive gas introduced to the plasma treatment means;

after switching the first reactive gas to a second reactive gas, partially ashing the resist mask by discharging a plasma to the plasma treatment chamber from the plasma treatment means in the plasma treatment chamber at the pressure of 5 to 800 Torr from the second reactive gas introduced to the plasma treatment means;

providing the plasma treatment means in the plasma treatment chamber;

providing one electrode of the set of electrodes which surrounds an other electrode of the set of electrodes; and

providing a distal portion of the one electrode of the set of electrodes being pointed toward the other electrode of the set of electrodes ,

wherein the distal portion of the one electrode of the set of electrodes has a sharp angle shape, and

wherein the first reactive gas is discharged from a specific part of the plurality of reactive gas discharge ports.

2. (Currently Amended) A manufacturing method of a display device in a plasma treatment chamber comprising the step of:

partially forming a conductor film over a substrate;

forming a resist mask by use of liquid droplet jetting means, over the conductor film;

forming a wiring by partially etching the conductor film over the substrate by discharging a plasma to the plasma treatment chamber from a plasma treatment means having a plurality of reactive gas discharge ports and a plurality of sets of electrodes contained therein for generating the plasma at a pressure of 5 to 800 Torr from a first reactive gas introduced to the plasma treatment means;

after switching the first reactive gas to a second reactive gas, partially ashing the resist mask by discharging a plasma to the plasma treatment chamber from the plasma treatment means in the plasma treatment chamber at the pressure of 5 to 800 Torr from the second reactive gas introduced to the plasma treatment means;

providing the plasma treatment means in the plasma treatment chamber;

providing one electrode of the plurality of sets of electrodes which surrounds an other electrode of the plurality of sets of electrodes, respectively; and

providing a distal portion of the one electrode of the plurality of sets of electrodes being pointed toward the other electrode of the plurality of sets of electrodes , respectively,

wherein the distal portion of the one electrode of the plurality of sets of electrodes has a sharp angle shape, and

wherein the first reactive gas is discharged from a specific part of the plurality of reactive gas discharge ports.

3. (Canceled)

4. (Currently Amended) A manufacturing method of a display device comprising the steps of:

forming a conductor film over a substrate;

forming a resist mask over the conductor film;

partially etching the conductor film at a pressure of 5 to 800 Torr by discharging a plasma to a plasma treatment chamber from a plasma treatment means having a plurality of reactive gas discharge ports and one set of electrodes contained therein for generating the plasma from a first reactive gas introduced to the plasma treatment means, over the resist mask thereby forming a wiring;

after switching the first reactive gas to a second reactive gas, partially ashing the resist mask by discharging a plasma to the plasma treatment chamber from the plasma treatment means in the plasma treatment chamber at the pressure of 5 to 800 Torr from the second reactive gas introduced to the plasma treatment means;

providing the plasma treatment means in the plasma treatment chamber;

providing one electrode of the set of electrodes which surrounds an other electrode of the set of electrodes; and

providing a distal portion of the one electrode of the set of electrodes being pointed toward the other electrode of the set of electrodes ,

wherein the distal portion of the one electrode of the set of electrodes has a sharp angle shape, and

wherein the first reactive gas is discharged from a specific part of the plurality of reactive gas discharge ports.

5. (Currently Amended) A manufacturing method of a display device comprising the steps of:

forming a conductor film over a substrate;

forming a resist mask over the conductor film;

partially etching the conductor film at a pressure of 5 to 800 Torr by discharging a plasma to a plasma treatment chamber from a plasma treatment means having a plurality of reactive gas discharge ports and a plurality of sets of electrodes contained therein for generating the plasma from a first reactive gas introduced to the plasma treatment means, over the resist mask thereby forming a wiring;

after switching the first reactive gas to a second reactive gas, partially ashing the resist mask by discharging a plasma to the plasma treatment chamber from the plasma treatment means in the plasma treatment chamber at the pressure of 5 to 800 Torr from the second reactive gas introduced to the plasma treatment means;

providing the plasma treatment means in the plasma treatment chamber;

providing one electrode of the plurality of sets of electrodes which surrounds an other electrode of the plurality of sets of electrodes, respectively; and

providing a distal portion of the one electrode of the plurality of sets of electrodes being

pointed toward the other electrode of the plurality of sets of electrodes , respectively,

wherein the distal portion of the one electrode of the plurality of sets of electrodes has a sharp angle shape, and

wherein the first reactive gas is discharged from a specific part of the plurality of reactive gas discharge ports.

6. (Previously Presented) The manufacturing method of the display device according to any of claims 1, 2, 4 and 5, wherein the substrate has a size of 1,000 x 1,200 mm² or more.

7. (Previously Presented) The manufacturing method of the display device according to any of claims 1, 2, 4 and 5, wherein the plasma treatment means scans the substrate in one direction.

8. (Previously Presented) The manufacturing method of the display device according to any of claims 1, 2, 4 and 5, wherein the plasma treatment means alternately scans the substrate in a row direction and in a column direction.

9. (Previously Presented) The manufacturing method of the display device according to any of claims 4 and 5, wherein the resist mask is formed by use of liquid droplet jetting means.

10.-11. (Canceled)

12. (Previously Presented) The manufacturing method of the display device according to any of claims 1, 2, 4 and 5, further comprising:

moving the plasma treatment means along a rail.